

HRSP12, 1-137aa, Human, His tag, E.coli

Cat.NO.: TP02503

3th Edition

Synonyms:Ribonuclease UK114, p14.5, PSP, UK114

Description:HRSP12, also called ribonuclease UK114, is an endoribonuclease found predominantly in human adult kidney and liver, and which is responsible for inhibiting translation by cleaving mRNA. This protein cleaves phosphodiester bonds only in single-stranded RNA. It may be an important biomarker for hepatic carcinoma.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT

Molecular Weight:16.6 kDa (157aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMSSLIRRVISTAKAPGAIGPYSQAVLVDRTIYISGQIGMDPSSGQLVSGGVAAEEAK
QALKNMGEILKAAGCDFTNVVKTTLVLLADINDFNTVNEIYKQYFKSNFPARAAYQVAALPKGSRIEIEAVAIQGPLTTA
SL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.